	Contents	Reference to last Measurement
pth 6	7	8

First & Final Bill

SBRAO-59/16-17
R! 27-6-16

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 231325

Serial No.....

Name of work... construction of RCC Drain at 6th cross in Patel Pillegowda Layout in ward No-10 (Doddabommasandra), V. Vijayarangapura

Name of Contractor of nature of Agency... Sri. V.M. Shivakumar

Date of commencement of work..... BR- 27/27-6-16

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work code NO;-	010-16-000018.					
	Head of Account;	P1771.					
	Administrative Approval NO;-	BBMP/EE/BTP/PR/15-16,				Dt 14-12-2015.	
	Technical sanction NO;-	BBMP/EE/BTP/PR/2015/15-16,				Dt 14-12-2015.	
	Work order NO;-	EE/BTP/BBMP/E-PMT/303/2015-16				Dt 23-03-2016.	
	Address of Agency;-	#7, 2nd Block Jnanabharathi Rajarajeshwari Bangalore					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 06/4/2016						
1)	Earth work excavation by manual in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5mt excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods etc complete as per specifications						
	6th Cross Patel Pille gowda Layt Right Side	1	30.00	1.00	1.00	= 30.00 cum	
		1	30.00	1.00	1.00	= 30.00 cum	
		1	30.00	1.00	1.00	= 30.00 cum	
		1	20.80	1.00	1.00	= 20.80 cum	
	6th Cross Pate Pille gowda Layout Left Side	1	30.00	1.00	1.00	= 30.00 cum	
		1	30.00	1.00	1.00	= 30.00 cum	
		1	30.00	1.00	1.00	= 30.00 cum	
		1	20.60	1.00	1.00	= 20.60 cum	
					Total =	221.40 cum	
					Quantity limited to Tender =	220.00 cum	
	@ Rs 83.00					Rs 18260.00	

C&F-e
06/04/16

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sudha
AE 06/04/2016

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Measurement Co
2)	providing and laying
	OPC cement @ 180kgs
	aggregate @ 0.85cum
	concrete laid in laye
	foundation and plinth
	6th Cross Patel Pille
	gowda Lyt Right Side
	6th cross patel Pillegowda
	Lut Left Side

OK

h	Depth 6	Contents 7	Reference to last Measurement 8
	2016		
ey	soil involving an average		
ave	age lift upto 0.5mt excavated		
sed	the disposed earth to be		
te	complete as per specifications		
	1.00 = 30.00 cum		
	1.00 = 30.00 cum		
	1.00 = 30.00 cum		
	1.00 = 20.80 cum		
	1.00 = 30.00 cum		
	1.00 = 30.00 cum		
	1.00 = 30.00 cum		
	1.00 = 20.00 cum		
	Total = 221.00 cum		
ender	= 220.00 cum		
	Rs 18260.00		

Sadha
AE 06/04/2016

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 231326

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	~~Measurement continued on 16/04/2016~~						
	2) providing and laying in position Plain cement concrete mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials.						
	6th cross Patel Pille gowda Lyt Right Side	1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	20.80	1.00	0.15 =	3.12cum	
	6th cross Patel Pillegowda Lyt Left Side	1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C&F e Mahiwa	1	20.60	1.00	0.15 =	3.09 cum	
					Total =	33.21 cum	
	Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97	Qty limited to Tender @ Rs 4300.00			=	33.00 cum	
						Rs 141900.00	
3)	providing T.M.T Steel reinforcement for R.C.C work including Straightening Cutting bending, hooking placing in position lapping and/or welding wherever required, tying with binding wire and anchoring to full advantage members wherever necessary complete as per design (Laps, hooks and wastage shall not be measured and paid) cost of material Labour HOM of machinery						
	Qty vide Measurement page No-231396 of this M.B. No - 2314				Total =	4.160 MT	
		@ Rs 69911.00				Rs 290830.00	

Serial No.....

Name of work.....

Name of Contractor of nature o

Date of commencement of work

Date	Full description, etc, of wo
1	2
4)	Providing and re removal of form including attache all materials labo 6th cross Patel Pillego Layout Right Side
	6th cross Patel Pillego Layout Right Side

	Contents	Reference to last Measurement
	7	8
=	3.09 Cum	
=	38.21 Cum	
=	33.00 Cum	
	Rs 141900.00	
	including Straightening	
	pping and/or welding	
	oring to the adsorbing	
	aps, hooks and wastage Shall	
	rom of machinery	
	4.16 Qtl	
	Rs 290830.00	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 231327

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Providing and removing centering, Shuttering, Struting, propping etc. and removal of form work for Vertical Surface such as walls at any thickness including attached Pillasters, buttresses plinth and string courses cost of all materials labour etc						
	6th Cross Patel Pillegowda Layout Right Side	4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	20.80		0.60 =	49.92 Sqm	
	6th Cross Patel Pillegowda Layout Right Side	4	30.00		0.60 =	72.00 Sq	
		4	30.00		0.60 =	72.00 Sq	
		4	30.00		0.60 =	72.00 Sq	
		4	20.60		0.60 =	49.44 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total =	531.36 Sqmt	
	Qty limited to tender @ Rs 307.00				=	528.00 Sqmt	
						Rs 162096.00	
	Measurement continued on 25/5/16						
5)	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse, aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with Superplastiser @ 3lts conforming to IS 9103-1999 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, Staircase, lintels, retaining walls including attached plasters columns piers abutments, Pillars posts struts blocks anchor blocks. Plain window sills, fillets etc						
	Bottom						
	6th Cross Patel Pillegowda Layout Right Side	1	30.00	0.90	0.15	= 4.05 Cum	
		1	30.00	0.90	0.15	= 4.05 Cum	
		1	30.00	0.90	0.15	= 4.05 Cum	
		1	20.80	0.90	0.15	= 2.81 Cum	

Serial No.....

Name of work.....

Name of Contractor of nature of Agenc

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	6th Cross Patel Pillegowda Layout Left Side	
	Checked	
	Side walls	
	6th Cross Patel Pillegowda Layout Right Side	
	6th Cross Patel Pillegowda Layout Left Side	

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	Total =	531.36 Sqmt	
er	=	528.00 Sqmt	
		Rs 162096.00	

Bodhan
AE 16/4/16

d Cement Concrete of design mix M20
nd down Size graded granite metal,
aggregates @ 0.459 cum with
103 - 1999 machine mixed, Concrete
; Vibrated for all works in foundation
bs), Staircase, lintels, retaining walls
butments, Pillars, posts Struts
- fillets etc

	0.15 =	4.05 Cum
	0.15 =	4.05 Cum
	0.15 =	4.05 Cum
	0.15 =	2.81 Cum

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 231328

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	6th Cross Patel Pillegowda Layout Left Side	1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
	Checked	1	30.00	0.90	0.15 =	4.05 Cum	
		1	20.60	0.90	0.15 =	2.78 Cum	
	Side walls	2	30.00	0.15	0.55 =	4.95 Cum	
	6th Cross Patel Pillegowda Layout Right Side	2	30.00	0.15	0.55 =	4.95 Cum	
		2	30.00	0.15	0.65 =	5.85 Cum	
		2	20.80	0.15	0.65 =	4.00 Cum	
	6th Cross Patel Pillegowda Layout Left Side	2	30.00	0.15	0.55 =	4.95 Cum	
		2	30.00	0.15	0.60 =	5.40 Cum	
		2	30.00	0.15	0.65 =	5.85 Cum	
		2	20.60	0.15	0.65 =	4.02 Cum	
					Total =	69.46 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty limited to tender = 69.30 Cum					
		@ Rs 5900.00					
						RS 408870.00	
	Measurement continued on 24/6/2016					Jadhav AE 25/5/16	
6)	providing granite slabs of selected quality roughly dressed and fixed in						
	cement mortar (1:6) including fixing curing etc. complete 7.5cms thick etc						
	9th Cross Patel Pallegowda	L —	30.00		0.90 =	27.00 Sqm	
	Layout Right Side	L	30.00		0.90 =	27.00 Sqm	
		L	30.00		0.90 =	27.00 Sqm	
		L	20.80		0.90 =	18.72 Sqm	
	9th Cross Patel Pallegowda	L	30.00		0.90 =	27.00 Sqm	
	Layout Left Side	L	30.00		0.90 =	27.00 Sqm	
		L	30.00		0.90 =	27.00 Sqm	
		L	20.60		0.90 =	18.54 Sqm	
					Total =	199.20 Sqm	
	Qty limited to tender				=	198.00 Sqm	
	@ Rs 663.00						
						RS 131274.00	

C/Fwd

S.D.E.

M.A

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
7)	providing chamfering ed	
	specifications Cmty Cham	
	per specifications and do	
	369	
	Qty	
	@ Rs	
8)	Providing two lime dressing	
	as per specifications etc	
	Qty vide Item no - 6	

OK

th	Depth 6	Contents 7	Reference to last Measurement 8
Tender	=	69.30 Cum	
		RS 408870.00	
		Sadha AE 25/5/16	
ty roughly dressed and fixed in			
ng etc. Complete 7.5cms thick etc			
		0.90 = 27.00 SqM	
		0.90 = 27.00 SqM	
		0.90 = 27.00 SqM	
		0.90 = 18.72 SqM	
		0.90 = 27.00 SqM	
		0.90 = 27.00 SqM	
		0.90 = 27.00 SqM	
		0.90 = 18.50 SqM	
		Total = 199.20 SqM	
Less	=	198.00 SqM	
		RS 131274.00	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 231329

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
7)	providing chamfering edges to stone slab 2.5cms wide as per specifications (only chamfered length shall be recorded) etc complete as per specifications and directions of engineer.						
		369 mtr	3.00			Total = 1107.00 mtr	
		Qty limited to Tender				= 1100.00 mtr	
		@ RS 36.00				RS 39600.00	
8)	Providing two line dressing to granite stone slab/granite stone masonary as per specifications etc complete as per specifications and directions						
	Qty vide Item NO - 6					= 198.00 SqM	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@ Rs 924.00				Rs	182952.00
9)	providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed concrete laid foundation plinth and Cills, including cost of all materials.						
	For Ramp						
	6th cross Patel Pillegowda Layout Right Side	1	30.00	0.30	0.12 =	1.08 cum	
		1	30.00	0.30	0.12 =	1.08 cum	
		1	30.00	0.30	0.12 =	1.08 cum	
		1	20.80	0.30	0.12 =	0.75 cum	
	6th Cross Patel Pillegowda Layout left Side	1	30.00	0.30	0.12 =	1.08 cum	
		1	30.00	0.30	0.12 =	1.08 cum	
		1	30.00	0.30	0.12 =	1.08 cum	
		1	20.60	0.30	0.12 =	0.74 cum	
					Total =	7.97 cum	

Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work...

Date	Full description, etc, of work
1	2
	C4PE Measured
	ಸ.ಕಾ.ಅ.
10)	Lead for Disposal Mechanical means Km etc complete a
	Qty
	@ R

Depth 6	Contents 7	Reference to last Measurement 8
	Rs	182952.00
concrete of mix 1:2:4 with		
aded granite metal coarse		
@ 0.45q cum machine mixed		
ncluding cost of all materials.		
12 =	1.08 Cum	
12 =	1.08 Cum	
12 =	1.08 Cum	
12 =	0.75 Cum	
12 =	1.08 Cum	
12 =	1.08 Cum	
12 =	1.08 Cum	
12 =	0.72 Cum	
tal =	7.97 Cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 231330

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C4PIC MAU ಸ.ಕಾ.ಅ.	Qty limited to tender @ Rs 5490.00				= 7.92 Cum Rs 43481.00	
	10) Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading from 0.00 to 11.90 Km etc complete as per specifications. Qty vide Item No 10 @ Rs 106.00					= 220.00 Cum Rs 23320.00	
						Total Rs	1442583.00

ಸ.ಕಾ.ಅ.

Jadha
AE 24/6/2016.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	certified that the above work done satisfactory and no-material issued from departmentally						
	Jadhav						
	AE 24/6/2016						

24/6/16

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

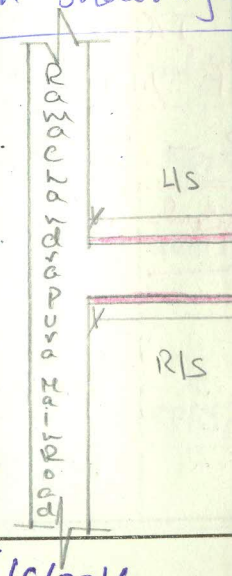
Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work....

Date	Full description, etc, of work
1	2
	Sketch Showing -



Jadhav
AE 24/6/2016

Depth 6	Contents 7	Reference to last Measurement 8
satisfactory momentarily 24/6/16		

Executive Engineer
ura Sub Division
angalore - 97

M.A.R. 57 (Rule 116)

Measurement Book

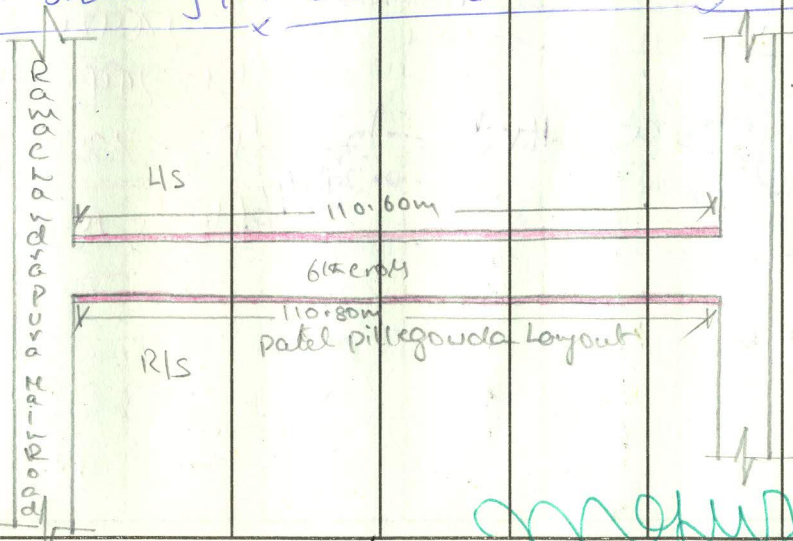
/09 231331

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Sketch Showing the locations of work done SPOK 						INDEX: RCC drain with Granite covering slab

Sadha
AE 24/6/2016

24/6/16.

K. D. U.

3R-207
27/6/16

MEASUREMENT BOOK

Date	Full description	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited & Admitted for Rs.
1442580-00
1341280-00
and Rs 100800-00
Dy Chief
Dy Accts
Accts Supdt.
Byatarayanapura Dn
BBMP

Jr. Engineer
Byatarayanapura Dn
BBMP

21/6/16

IT - 14426-00
VAT - 57704-00
LWF - 14426-00
CSF - 1443-00
LC - 12801-00
Payload - 100800-00

First & Final Bill
SBRAO-58/16-17
R: 27-6-16

Serial No.....
Name of work... construction of Mata... at... Venk
Name of Contractor of nature of Age
Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Work code NO;
	Head of Account;
	Administrative Appro
	Technical Sanction NO
	Work order NO;
	Address of Agency;